

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

O P
Sheets

of 4

Application Number	10702,843	10/720,843
Filing Date	24 November 2003	
First Named Inventor	Schwartz	
Art Unit	1654	
Examiner Name	J.E. Russel	
Attorney Docket Number	SOL.003.DIV1	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUB CLASS	FILING DATE	
JER	AA	3	8	0	8	0	8	6	04/30/74	Mosimann et al.	161	93	04/07/72
	AB	4	2	4	4	7	2	1	01/13/81	Gupta et al.	65	31	01/31/79
	AC	4	4	6	1	8	7	6	07/24/84	Lieberman et al.	525	374	09/09/82
	AD	4	7	0	7	4	4	0	11/17/87	Stavrianopoulos	435	6	01/30/84
	AE	4	7	7	5	6	1	9	10/04/88	Urdea	435	6	10/16/84
	AF	4	8	7	4	8	1	3	10/17/89	O'Shannessy	525	54.1	02/09/87
	AG	5	1	1	8	6	0	5	06/02/92	Urdea	435	6	09/29/88
	AH	5	1	5	1	5	0	7	09/29/92	Hobbs, Jr. et al.	536	23	06/12/91
	AI	5	2	0	6	3	7	0	04/27/93	Schwartz et al.	546	281	05/26/92
	AJ	5	2	1	0	2	0	3	05/11/93	Musso et al.	548	130	05/07/92
	AK	5	3	8	0	8	3	3	01/10/95	Urdea	536	22.1	12/13/91
	AL	5	4	2	0	2	8	5	05/30/95	Schwartz et al.	546	281	05/30/95
	AM	5	5	2	1	2	9	0	05/28/96	Sivam et al.	530	391.5	11/21/94
	AN	5	5	6	7	6	2	4	10/22/96	Smith	436	163	04/27/95
	AO	5	6	7	9	7	7	8	10/21/97	Abrams et al.	530	391.5	11/03/93
	AP	5	7	5	3	5	2	0	05/19/98	Schwartz et al.	436	542	02/06/95
	AQ	5	7	8	9	5	7	6	08/04/98	Daily et al.	536	25.6	12/09/94
	AR	5	7	9	2	6	1	5	08/11/98	Arnold et al.	435	6	03/06/97
	AS	5	8	3	7	8	5	6	11/17/98	Arnold, Jr. et al.	536	24.5	03/06/98
	AT	5	8	3	7	8	6	0	11/17/98	Anderson et al.	536	25.3	03/05/97
	AU	5	8	5	4	4	1	0	12/29/98	Arnold, Jr. et al.	536	23.1	03/31/94
	AV	5	8	5	6	5	7	1	01/05/99	Berninger et al.	564	37	06/07/95
	AW	5	8	7	7	2	2	0	03/02/99	Schwartz et al.	514	626	03/06/97
	AX	5	8	8	0	2	7	0	03/09/99	Berninger et al.	530	391.1	12/23/97

EXAMINER /Jeffrey Russel/

DATE CONSIDERED

09/20/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete If Known

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10702,843 10/720,843
				Filing Date	24 November 2003
				First Named Inventor	Schwartz
				Art Unit	1654
				Examiner Name	J.E. Russel
Sheet 2 of 4	Attorney Docket Number	SOL.003.DIV1			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
JER	AY	5	9	0	0	4	8	1		05/04/99	Lough et al.	536	55.3	11/06/96
	AZ	5	9	5	5	5	9	7		09/21/99	Arnold, Jr. et al.	536	24.3	06/30/97
	BA	5	9	5	8	9	0	1		09/28/99	Dwyer et al.	514	75	06/05/96
	BB	6	0	0	1	8	2	6		12/14/99	Murrer et al.	514	183	07/20/92
	BC	6	0	2	8	1	8	8		02/22/00	Arnold, Jr. et al.	536	25.3	11/21/94
	BD	6	0	2	0	5	2	6		02/01/00	Schwartz et al.	564	153	07/22/96
	BE	6	0	3	4	1	3	5		03/07/00	Schwartz et al.	514	616	03/06/97
	BF	6	1	3	3	4	3	6		10/17/00	Köster et al.	536	24.3	09/19/97
	BG	6	2	1	7	8	4	5		04/17/01	Schwartz et al.	424	1.69	11/06/97

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
JER	BH	0	0	0	5	2	0	8		02/03/00	PCT			
	BI	0	0	0	5	2	4	3		02/03/00	PCT			
	BJ	0	0	0	8	0	4	2		02/17/00	PCT			
	BK	0	0	4	0	5	9	0		07/13/00	PCT			
	BL	0	1	0	9	3	8	5		02/08/01	PCT A2			
	BM	0	2	8	0	4	7	4		02/13/88	EP A2 (08/1988)			
	BN	0	2	8	0	4	7	4		02/13/88	EP B1 (11/1993)			
	BO	0	3	6	1	7	6	8		09/19/99	EP A2 (04/1990)			
	BP	0	3	8	4	7	6	9		02/23/90	EP B1			
	BQ	9	4	1	0	1	4	9		05/11/94	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER /Jeffrey Russel/ DATE CONSIDERED 09/20/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Substitute for form 1449/PTO			Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10702,843 10/720,843
(Use as many sheets as necessary)			Filing Date	24 November 2003
			First Named Inventor	Schwartz
			Art Unit	1654
			Examiner Name	J.E. Russel
Sheet	3	of	4	Attorney Docket Number
			SOL.003.DIV1	

JER	BR	Abrams <i>et al.</i> , "Technetium-99m-Human Polyclonal IgG Radiolabeled via the Hydrazino Nicotinamide Derivative for Imaging Focal Sites of Infection in Rats", <i>J. Nucl. Med.</i> , <u>31</u> (12):2022-2028; (1990)
	BS	Agrawal, S. (Ed.), <u>Methods in Molecular Biology</u> , <u>20</u> , Book: Protocols for Oligonucleotides and Analogs, Synthesis and Properties, Humana Press, (1993) , pages ix-xi.
	BT	Bischoff <i>et al.</i> , "Introduction of 5'-Terminal Functional Groups into Synthetic Oligonucleotides for Selective Immobilization", <i>Anal. Biochem.</i> , <u>164</u> :336-344; (1987)
	BU	Bridger <i>et al.</i> , "A Comparison of Cleavable and Noncleavable Hydrazinopyridine Linkers for the ^{99m} Tc Labeling of Fab' Monoclonal Antibody Fragments", <i>Bioconj. Chem.</i> , <u>7</u> :255-264; (1996)
	BV	Chang <i>et al.</i> , "Early Results in the International Design of New Bifunctional Chelators", <i>6th Conference on Radioimmunodetection and Radioimmunotherapy of Cancer - Supplement to Cancer</i> , <u>80</u> :2347-2353; (1997)
	BW	Ellis <i>et al.</i> , "Development and Clinical Uses of Haemophilus b Conjugate Vaccines", Book: <i>Marcel Dekker, Inc.</i> : New York; (1994) , pages xi-xii.
	BX	Ghosh <i>et al.</i> , "Covalent attachment of oligonucleotides to solid supports", <i>Nucl. Acids. Res.</i> , <u>15</u> (3):5353-5372; (1987)
	BY	Ghosh <i>et al.</i> , "Synthesis of 5'-Oligonucleotide Hydrazide Derivatives and Their Use in Preparation of Enzyme-Nucleic Acid Hybridization Probes", <i>Anal. Biochem.</i> , <u>178</u> :43-51; (1989)
	BZ	Greene <i>et al.</i> , "Protective Groups in Organic Synthesis", Book: 2nd Edition, <i>John Wiley & Sons, Inc.</i> , pages ix-x.
	CA	Hermanson <i>et al.</i> , <i>Bioconjugate Techniques</i> : Academic Press, 1996 , pages vii-xxiii.
	CB	Hostomsky <i>et al.</i> , "Solid-phase assembly of DNA duplexes from synthetic oligonucleotides.", <i>Nucl. Acid. Symp. Ser.</i> , <u>18</u> :241-244; (1987)
	CC	IUPAC-IUB: "IUPAC-IUB Commission on Biochemical Nomenclature Abbreviated Nomenclature of Synthetic Polypeptides (Polymerized Amino Acids)", <i>Biochem.</i> , <u>11</u> (5):942-944; (1972)
	CD	Kaneko <i>et al.</i> , "New Hydrazone Derivates of Adriamycin and Their Immunoconjugates - a Correlation between Acid Stability and Cytotoxicity," <i>Bioconj. Chem.</i> , <u>2</u> (3):133-141; (1991)
	CE	King <i>et al.</i> , "Preparation of Protein Conjugates via Intermolecular Hydrazone Linkage", <i>Biochem.</i> , <u>25</u> :5774-5779; (1986)
	CF	Marble <i>et al.</i> , "RNA Transcription from Immobilized DNA Templates," <i>Biotechnol. Prog.</i> <u>11</u> :393-396; (1995)

EXAMINER /Jeffrey Russel/ DATE CONSIDERED 09/20/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next

Complete if Known

Substitute for form 1449/PTO*

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

of 4

Application Number	10/702,843 10/720,843
Filing Date	24 November 2003
First Named Inventor	Schwartz
Art Unit	1654
Examiner Name	J.E. Russel

Attorney Docket Number SOL.003.DIV1

JER	CG	Reynolds <i>et al.</i> , "Antisense oligonucleotides containing an internal non-nucleotide-based linker promote site-specific cleavage of RNA", <i>Nucl. Acids. Res.</i> , <u>24</u> (4):760-765; (1996)
	CH	Reynolds <i>et al.</i> , "Synthesis and thermodynamics of oligonucleotides containing chirally pure Rp methylphosphonate linkages", <i>Nucl. Acids. Res.</i> <u>24</u> (22):4584-4591; (1996)
	CI	Rose <i>et al.</i> , "Natural Peptides as Building Blocks for the Synthesis of Large Protein-like Molecules with Hydrazone and Oxime Linkages", <i>Bioconjugate Chem.</i> , <u>7</u> :552-556; (1996)
	CJ	Salo <i>et al.</i> , "Aminooxy Functionalized Oligonucleotides: Preparation, On-Support Derivatization, and Postsynthetic Attachment to Polymer Support", <i>Bioconjugate Chem.</i> , <u>10</u> :815-823; (1999)
	CK	Schwartz <i>et al.</i> , "Preparation of Hydrazino-Modified Proteins and Their Use for the Synthesis of 99mTc-Protein Conjugates," <i>Bioconjugate Chem.</i> , <u>2</u> :333-336; (1991)
	CL	Timofeev <i>et al.</i> , "Regioselective immobilization of short oligonucleotides to acrylic copolymer gels", <i>Nucl. Acids. Res.</i> , <u>24</u> (16):3142-3148; (1996)
	CM	Trevisiol <i>et al.</i> , "The Oxyamino-Aldehyde Coupling Reaction: An Efficient Method for the Derivatization of Oligonucleotides", <i>Tetrahedron Lett.</i> , <u>38</u> (50):8687-8690; (1997)
	CN	Trevisiol <i>et al.</i> , "Synthesis of Nucleoside Triphosphate that Contain an Aminooxy Function for 'Post-Ampification Labeling'", <i>Eur. J. Org. Chem.</i> , pages 211-217; (2000)

EXAMINER

/Jeffrey Russel/

DATE CONSIDERED

09/20/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next